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WHAT IS CLAIMED IS:

- 1. A high-molecular flocculant having a molecular structure portion comprised of an organic and/or inorganic amino compound added to at least a portion of cyano groups contained in a high-molecular material.
- 2. The high-molecular flocculant as claimed in claim 1 wherein said inorganic amino compound is at least one of ammonia, hydrazine and hydroxylamine.
- 3. The high-molecular flocculant as claimed in claim 1 wherein said inorganic amino compound is at least one of a primary amine substituted by C1 to C12 hydrocarbon group and a secondary amine substituted by C1 to C12 hydrocarbon group.
- 4. The high-molecular flocculant as claimed in claim 1 wherein said inorganic amino compound is a polyamine having two or more amino groups.
- 5. The high-molecular flocculant as claimed in claim 4 wherein the molecular structure portion having the polyamine added thereto includes an imidazoline ring.
- 6. The high-molecular flocculant as claimed in claim 1 wherein at least a portion of the molecular structure portion forms a salt with one of an inorganic acid, an organic acid, a halogenated hydrocarbon and a sulfuric acid ester.
- 7. The high-molecular flocculant as claimed in claim 1 wherein at least a portion of the molecular structure portion is further hydrolysed.
- 8. The high-molecular flocculant as claimed in claim 1 wherein said high-molecular material contains acrylonitrile as a monomer unit.
- 9. The high-molecular flocculant as claimed in claim 8 wherein said high-molecular material is at least one selected from the group of acrylic fibers, nitrite resin, styrene-acrylonitrile resin, acrylonitrile-butadiene- styrene resin, acrylonitrile-

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styrene- acrylic resin, acrylonitrile- chlorinated polyethylene- styrene resin, nitrite rubber and acrylonitrile- butadiene rubber.

- 10. The high-molecular flocculant as claimed in claim 1 wherein said high-molecular material contains not less than 15 mol% of the total monomer units.
- 11. The high-molecular flocculant as claimed in claim 1 wherein said high-molecular material is contained in a waste material used up for other purposes.

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- 12. A method for producing a high-molecular flocculant comprising: reacting a high-molecular material containing a cyano group with an inorganic and/or organic amino compound; and introducing a molecular structure portion having said amino compound added to at least a portion of the cyano group.
- 13. The method for producing a high-molecular flocculant as claimed in claim12 wherein at least one selected from the group of ammonia, hydrazine andhydroxylamine is used as said amino compound.
- 14. The method for producing a high-molecular flocculant as claimed in claim 13 wherein an organic amino compound is used as said amino compound and wherein an imidazoline ring is formed as said molecular structure portion.
- 15. The method for producing a high-molecular flocculant as claimed in claim 12 wherein one of an inorganic acid, an organic acid and a halogenated hydrocarbon is acted on said molecular structure portion for converting at least a portion of the molecular structure portion into a salt.
- 16. The high-molecular flocculant as claimed in claim 12 wherein at least a portion of the molecular structure portion is further hydrolysed.

17. The high-molecular flocculant as claimed in claim 12 wherein a high-molecular material containing acrylonitrile as a monomer unit is used as the high-molecular material.

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- 18. The high-molecular flocculant as claimed in claim 17 wherein at least one selected from the group of acrylic fibers, nitrite resin, styrene- acrylonitrile resin, acrylonitrile- butadiene- styrene resin, acrylonitrile- styrene- acrylic resin, acrylonitrile- chlorinated polyethylene- styrene resin, nitrite rubber and acrylonitrile-butadiene rubber is used as said high-molecular material.
- 19. The high-molecular flocculant as claimed in claim 12 wherein a high-molecular material containing not less than 15 mol% of the total monomer units is used as said high-molecular material.
 - 20. The high-molecular flocculant as claimed in claim 12 wherein a high-molecular material contained in a waste material used up for other purposes is used as said high-molecular material.
 - 21. A method for water processing comprising: charging into water for processing a high-molecular flocculant having a molecular structure portion comprised of an inorganic and/or organic amine compound added to at least a portion of cyano groups contained in a high-molecular material.
- 22. The method for water processing as claimed in claim 21 wherein said high-molecular flocculant is used in conjunction with at least one of a nonionic high-molecular flocculant, an anionic high-molecular flocculant and a cationic high-molecular flocculant.

- 23. The method for water processing as claimed in claim 22 further comprising: sequentially charging said high-molecular flocculant and the anionic high-molecular flocculant into the water for processing.
- 24. A high-molecular flocculant in which at least a portion of cyano groups contained in a high-molecular material has been converted into carbamoyl groups.

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- 25. The high-molecular flocculant as claimed in claim 24 wherein a further portion of the carbamoyl groups is converted into carboxyl groups or salts thereof.
- 26. The high-molecular flocculant as claimed in claim 24 wherein said high-molecular material contains acrylonitrile as a monomer unit.
- 10 27. The high-molecular flocculant as claimed in claim 26 wherein said high-molecular material is at least one selected from the group of acrylic fibers, nitrite resin, styrene- acrylonitrile resin, acrylonitrile- butadiene- styrene resin, acrylonitrile- styrene- acrylic resin, acrylonitrile- chlorinated polyethylene- styrene resin, nitrite rubber and acrylonitrile- butadiene rubber.
 - 28. The high-molecular flocculant as claimed in claim 24 wherein said high-molecular material contains not less than 15 mol% of the total monomer units.
 - 29. The high-molecular flocculant as claimed in claim 24 wherein said high-molecular material is contained in a waste material used up for other purposes.
 - 30. A method for producing a high-molecular flocculant comprising: hydrolysing a high-molecular material containing cyano groups to convert at least a portion of the cyano groups into carbamoyl groups.
 - 31. The method for producing a high-molecular flocculant as claimed in claim 30 wherein said hydrolysis is carried out in one step in the presence of an acidic catalyst.

- 32. The method for producing a high-molecular flocculant as claimed in claim 30 wherein said hydrolysis is carried out in two steps, namely a first step employing an acidic catalyst and a second step of employing a basic catalyst, and wherein, in said second step, a further portion of the carbamoyl groups is converted into carboxylic groups or salts thereof.
- 33. The high-molecular flocculant as claimed in claim 30 wherein a high-molecular material containing acrylonitrile as a monomer unit is used as the high-molecular material.

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- 34. The high-molecular flocculant as claimed in claim 33 wherein at least one selected from the group of acrylic fibers, nitrile resin, styrene- acrylonitrile resin, acrylonitrile. butadiene- styrene resin, acrylonitrile- styrene- acrylic resin, acrylonitrile- chlorinated polyethylene- styrene resin, nitrite rubber and acrylonitrile butadiene rubber is used as said high-molecular material.
 - 35. The high-molecular flocculant as claimed in claim 30 wherein a high-molecular material containing not less than 15 mol% of the total monomer units is used as said high-molecular material.
 - 36. A method for processing water comprising: charging into water for processing a high-molecular flocculant comprised of a high-molecular material at least a portion of cyano groups of which has been converted into carbamoyl groups.
 - 37. The method for water processing as claimed in claim 36 wherein said high-molecular flocculant is used in conjunction with at least one of a nonionic high-molecular flocculant, an anionic high-molecular flocculant and a cationic high-molecular flocculant.

- 38. The method for water processing as claimed in claim 37 further comprising: sequentially charging said high-molecular flocculant and the anionic high-molecular flocculant into the water for processing.
- The method for water processing as claimed in claim 36 further
 comprising: charging into the water for processing the high-molecular flocculant a further portion of carbamoyl groups of which have been converted into carboxylic groups or salts thereof.